

RSL to be matched

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(571)273-0221

09/731899

11/3/05 CRFE OIPE SR

9

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 09/731,899
Source: O/PE
Date Processed by STIC: 10/31/05

ENTERED



O/PK

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/731,899

DATE: 10/31/2005
TIME: 11:22:58

Input Set : A:\00558852.txt
Output Set: N:\CRF4\10312005\I731899.raw

3 <110> APPLICANT: Chain, Benjamin
 5 <120> TITLE OF INVENTION: CHIMERIC PEPTIDES AS IMMUNOGENS, ANTIBODIES THERETO, AND
 METHODS
 6 FOR IMMUNIZATION USING CHIMERIC PEPTIDES OR ANTIBODIES
 8 <130> FILE REFERENCE: 20555/1203433-US1
 10 <140> CURRENT APPLICATION NUMBER: 09/731,899
 11 <141> CURRENT FILING DATE: 2000-12-08
 13 <150> PRIOR APPLICATION NUMBER: 60/169,687
 14 <151> PRIOR FILING DATE: 1999-12-08
 16 <160> NUMBER OF SEQ ID NOS: 27
 18 <170> SOFTWARE: PatentIn version 3.3
 20 <210> SEQ ID NO: 1
 21 <211> LENGTH: 59
 22 <212> TYPE: PRT
 23 <213> ORGANISM: Homo sapiens
 25 <400> SEQUENCE: 1
 27 Glu Val Lys Met Asp Ala Glu Phe Arg His Asp Ser Gly Tyr Glu Val
 28 1 5 10 15
 31 His His Gln Lys Leu Val Phe Phe Ala Glu Asp Val Gly Ser Asn Lys
 32 20 25 30
 35 Gly Ala Ile Ile Gly Leu Met Val Gly Gly Val Val Ile Ala Thr Val
 36 35 40 45
 39 Ile Val Ile Thr Leu Val Met Leu Lys Lys Lys
 40 50 55
 43 <210> SEQ ID NO: 2
 44 <211> LENGTH: 40
 45 <212> TYPE: PRT
 46 <213> ORGANISM: Homo sapiens
 48 <400> SEQUENCE: 2
 50 Asp Ala Glu Phe Arg His Asp Ser Gly Tyr Glu Val His His Gln Lys
 51 1 5 10 15
 54 Leu Val Phe Phe Ala Glu Asp Val Gly Ser Asn Lys Gly Ala Ile Ile
 55 20 25 30
 58 Gly Leu Met Val Gly Gly Val Val
 59 35 40
 62 <210> SEQ ID NO: 3
 63 <211> LENGTH: 42
 64 <212> TYPE: PRT
 65 <213> ORGANISM: Homo sapiens
 68 <220> FEATURE:
 69 <221> NAME/KEY: MISC_FEATURE
 70 <222> LOCATION: (1)..(1)
 71 <223> OTHER INFORMATION: Xaa is L-Asp, D-Asp, or L-iso Asp
 73 <400> SEQUENCE: 3

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Input Set : A:\00558852.txt

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W--> 75 Xaa Ala Glu Phe Arg His Asp Ser Gly Tyr Glu Val His His Gln Lys

76 1 5 10 15

79 Leu Val Phe Phe Ala Glu Asp Val Gly Ser Asn Lys Gly Ala Ile Ile

80 20 25 30

83 Gly Leu Met Val Gly Gly Val Val Ile Ala

84 35 40

87 <210> SEQ ID NO: 4

88 <211> LENGTH: 43

89 <212> TYPE: PRT

90 <213> ORGANISM: Homo sapiens

92 <400> SEQUENCE: 4

94 Asp Ala Glu Phe Arg His Asp Ser Gly Tyr Glu Val His His Gln Lys

95 1 5 10 15

98 Leu Val Phe Phe Ala Glu Asp Val Gly Ser Asn Lys Gly Ala Ile Ile

99 20 25 30

102 Gly Leu Met Val Gly Gly Val Val Ile Ala Thr

103 35 40

106 <210> SEQ ID NO: 5

107 <211> LENGTH: 40

108 <212> TYPE: PRT

109 <213> ORGANISM: Homo sapiens

112 <220> FEATURE:

113 <221> NAME/KEY: MISC_FEATURE

114 <222> LOCATION: (1)..(1)

115 <223> OTHER INFORMATION: Xaa is pyroglutamate

117 <400> SEQUENCE: 5

W--> 119 Xaa Phe Arg His Asp Ser Gly Tyr Glu Val His His Gln Lys Leu Val

120 1 5 10 15

123 Phe Phe Ala Glu Asp Val Gly Ser Asn Lys Gly Ala Ile Ile Gly Leu

124 20 25 30

127 Met Val Gly Gly Val Val Ile Ala

128 35 40

131 <210> SEQ ID NO: 6

132 <211> LENGTH: 32

133 <212> TYPE: PRT

134 <213> ORGANISM: Homo sapiens

137 <220> FEATURE:

138 <221> NAME/KEY: MISC_FEATURE

139 <222> LOCATION: (1)..(1)

140 <223> OTHER INFORMATION: Xaa is pyroglutamate

142 <400> SEQUENCE: 6

W--> 144 Xaa Val His His Gln Lys Leu Val Phe Phe Ala Glu Asp Val Gly Ser

145 1 5 10 15

148 Asn Lys Gly Ala Ile Ile Gly Leu Met Val Gly Gly Val Val Ile Ala

149 20 25 30

152 <210> SEQ ID NO: 7

153 <211> LENGTH: 26

154 <212> TYPE: PRT

155 <213> ORGANISM: Homo sapiens

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Input Set : A:\00558852.txt

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157 <400> SEQUENCE: 7
159 Leu Val Phe Phe Ala Glu Asp Val Gly Ser Asn Lys Gly Ala Ile Ile
160 1 5 10 15
163 Gly Leu Met Val Gly Gly Val Val Ile Ala
164 20 25
167 <210> SEQ ID NO: 8
168 <211> LENGTH: 14
169 <212> TYPE: PRT
170 <213> ORGANISM: Tetanus toxin bacteria
172 <400> SEQUENCE: 8
174 Gln Tyr Ile Lys Ala Asn Ser Lys Phe Ile Gly Ile Thr Glu
175 1 5 10
178 <210> SEQ ID NO: 9
179 <211> LENGTH: 15
180 <212> TYPE: PRT
181 <213> ORGANISM: Hepatitis B virus
183 <400> SEQUENCE: 9
185 Phe Phe Leu Leu Thr Arg Ile Leu Thr Ile Phe Gln Ser Leu Asp
186 1 5 10 15
189 <210> SEQ ID NO: 10
190 <211> LENGTH: 30
191 <212> TYPE: PRT
192 <213> ORGANISM: Pertussis toxin bacteria
194 <400> SEQUENCE: 10
196 Lys Lys Leu Arg Arg Leu Leu Tyr Met Ile Tyr Met Ser Gly Leu Ala
197 1 5 10 15
200 Val Arg Val His Val Ser Lys Glu Glu Gln Tyr Tyr Asp Tyr
201 20 25 30
204 <210> SEQ ID NO: 11
205 <211> LENGTH: 17
206 <212> TYPE: PRT
207 <213> ORGANISM: Tetanus toxin bacteria
209 <400> SEQUENCE: 11
211 Lys Lys Gln Tyr Ile Lys Ala Asn Ser Lys Phe Ile Gly Ile Thr Glu
212 1 5 10 15
215 Leu
219 <210> SEQ ID NO: 12
220 <211> LENGTH: 22
221 <212> TYPE: PRT
222 <213> ORGANISM: Tetanus toxin bacteria
224 <400> SEQUENCE: 12
226 Lys Lys Phe Asn Asn Phe Thr Val Ser Phe Trp Leu Arg Val Pro Lys
227 1 5 10 15
230 Val Ser Ala Ser His Leu
231 20
234 <210> SEQ ID NO: 13
235 <211> LENGTH: 15
236 <212> TYPE: PRT
237 <213> ORGANISM: Pertussis toxin bacteria

RAW SEQUENCE LISTING

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Input Set : A:\00558852.txt
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239 <400> SEQUENCE: 13
241 Tyr Met Ser Gly Leu Ala Val Arg Val His Val Ser Lys Glu Glu
242 1 5 10 15
245 <210> SEQ ID NO: 14
246 <211> LENGTH: 27
247 <212> TYPE: PRT
248 <213> ORGANISM: Tetanus toxin bacteria
250 <400> SEQUENCE: 14
252 Tyr Asp Pro Asn Tyr Leu Arg Thr Asp Ser Asp Lys Asp Arg Phe Leu
253 1 5 10 15
256 Gln Thr Met Val Lys Leu Phe Asn Arg Ile Lys
257 20 25
260 <210> SEQ ID NO: 15
261 <211> LENGTH: 24
262 <212> TYPE: PRT
263 <213> ORGANISM: Pertussis toxin bacteria
265 <400> SEQUENCE: 15
267 Gly Ala Tyr Ala Arg Cys Pro Asn Gly Thr Arg Ala Leu Thr Val Ala
268 1 5 10 15
271 Glu Leu Arg Gly Asn Ala Glu Leu
272 20
275 <210> SEQ ID NO: 16
276 <211> LENGTH: 15
277 <212> TYPE: PRT
278 <213> ORGANISM: Measles virus
280 <400> SEQUENCE: 16
282 Leu Ser Glu Ile Lys Gly Val Ile Val His Arg Leu Glu Gly Val
283 1 5 10 15
286 <210> SEQ ID NO: 17
287 <211> LENGTH: 20
288 <212> TYPE: PRT
289 <213> ORGANISM: Measles virus
291 <400> SEQUENCE: 17
293 Gly Ile Leu Glu Ser Arg Gly Ile Lys Ala Arg Ile Thr His Val Asp
294 1 5 10 15
297 Thr Glu Ser Tyr
298 20
301 <210> SEQ ID NO: 18
302 <211> LENGTH: 16
303 <212> TYPE: PRT
304 <213> ORGANISM: Tetanus toxin bacteria
306 <400> SEQUENCE: 18
308 Trp Val Arg Asp Ile Ile Asp Asp Phe Thr Asn Glu Ser Ser Gln Lys
309 1 5 10 15
312 <210> SEQ ID NO: 19
313 <211> LENGTH: 16
314 <212> TYPE: PRT
315 <213> ORGANISM: Tetanus toxin bacteria
317 <400> SEQUENCE: 19

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/731,899

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Input Set : A:\00558852.txt
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319 Asp Val Ser Thr Ile Val Pro Tyr Ile Gly Pro Ala Leu Asn His Val
320 1 5 10 15
323 <210> SEQ ID NO: 20
324 <211> LENGTH: 24
325 <212> TYPE: PRT
326 <213> ORGANISM: Chlamydia trachomitis
328 <400> SEQUENCE: 20
330 Ala Leu Asn Ile Trp Asp Arg Phe Asp Val Phe Cys Thr Leu Gly Ala
331 1 5 10 15
334 Thr Thr Tyr Leu Lys Glu Asn Ser
335 20
338 <210> SEQ ID NO: 21
339 <211> LENGTH: 23
340 <212> TYPE: PRT
341 <213> ORGANISM: Diphteria toxin bacteria
343 <400> SEQUENCE: 21
345 Asp Ser Glu Thr Ala Asp Asn Leu Glu Lys Thr Val Ala Ala Leu Ser
346 1 5 10 15
349 Ile Leu Pro Gly Ile Gly Cys
350 20
353 <210> SEQ ID NO: 22
354 <211> LENGTH: 39
355 <212> TYPE: PRT
356 <213> ORGANISM: Diphteria toxin bacteria
358 <400> SEQUENCE: 22
360 Glu Glu Ile Val Ala Gln Ser Ile Ala Leu Ser Ser Leu Met Val Ala
361 1 5 10 15
364 Gln Ala Ile Pro Leu Val Gly Glu Leu Val Asp Ile Gly Phe Ala Ala
365 20 25 30
368 Thr Asn Phe Val Glu Ser Cys
369 35
372 <210> SEQ ID NO: 23
373 <211> LENGTH: 21
374 <212> TYPE: PRT
375 <213> ORGANISM: Plasmodium falciparum
377 <400> SEQUENCE: 23
379 Asp Ile Glu Lys Lys Ile Ala Lys Met Glu Lys Ala Ser Ser Val Phe
380 1 5 10 15
383 Asn Val Val Asn Ser
384 20
387 <210> SEQ ID NO: 24
388 <211> LENGTH: 16
389 <212> TYPE: PRT
390 <213> ORGANISM: Schistoma mansoni
392 <400> SEQUENCE: 24
394 Lys Trp Phe Lys Thr Asn Ala Pro Asn Gly Val Asp Glu Lys Ile Arg
395 1 5 10 15
398 <210> SEQ ID NO: 25
399 <211> LENGTH: 14

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 10/31/2005
PATENT APPLICATION: US/09/731,899 TIME: 11:22:59

Input Set : A:\00558852.txt
Output Set: N:\CRF4\10312005\I731899.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:3; Xaa Pos. 1

Seq#:5; Xaa Pos. 1 /

Seq#:6; Xaa Pos. 1 /

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/731,899

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TIME: 11:22:59

Input Set : A:\00558852.txt

Output Set: N:\CRF4\10312005\I731899.raw

L:75 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0

L:119 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0

L:144 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0